

Title (en)
THERMOPLASTIC POLYCARBONATE COMPOSITIONS

Title (de)
THERMOPLASTISCHE POLYCARBONATZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS THERMOPLASTIQUES DE POLYCARBONATE

Publication
EP 2115064 A2 20091111 (EN)

Application
EP 07875149 A 20070511

Priority
• US 2007068740 W 20070511
• US 42735606 A 20060629

Abstract (en)
[origin: US2008004373A1] A thermoplastic composition comprising from 30 to 89.5 wt. % of an aromatic polycarbonate, from 0.5 to 20 wt. % of an impact modifier, from 0 to 25 wt. % of an aromatic vinyl copolymer, from 6 to 35 wt. % of a mineral filler, and from 4 to 20 wt. % of a titanium dioxide, wherein the titanium dioxide is coated with silicone or siloxane, based on the total weight of the composition, has been found to exhibit improved mechanical properties and other characteristics and less degradation than filled thermoplastic compositions without the particular coated titanium dioxide. The composition optionally comprises an acid or acid salt. An article may be formed by molding, extruding, shaping or forming such a composition to form the article.

IPC 8 full level
C08K 9/06 (2006.01)

CPC (source: EP KR US)
C08K 3/22 (2013.01 - KR); **C08K 9/04** (2013.01 - KR); **C08K 9/06** (2013.01 - EP US); **C08L 25/04** (2013.01 - KR); **C08L 69/00** (2013.01 - KR)

Citation (search report)
See references of WO 2009099402A2

Citation (third parties)
Third party :
• EP 1452564 A1 20040901 - TEIJIN CHEMICALS LTD [JP]
• JP H02283760 A 19901121 - TEIJIN CHEMICALS LTD

Cited by
US11623987B2; EP3607005B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2008004373 A1 20080103; US 8883878 B2 20141111; CN 101668804 A 20100310; CN 101668804 B 20131106; EP 2115064 A2 20091111; EP 2115064 B1 20160413; KR 101506432 B1 20150326; KR 20090100332 A 20090923; KR 20140091722 A 20140722; KR 20150014983 A 20150209; TW 200808901 A 20080216; WO 2009099402 A2 20090813; WO 2009099402 A3 20091022

DOCDB simple family (application)
US 42735606 A 20060629; CN 200780032544 A 20070511; EP 07875149 A 20070511; KR 20097001774 A 20070511; KR 20147014393 A 20070511; KR 20147035840 A 20070511; TW 96121486 A 20070614; US 2007068740 W 20070511